

Notice of Allowability

Application No.

10/010,290

Examiner

Yves Dalencourt

Applicant(s)

HOUSEL, BARRON C.

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to communications filed on 11/30/01 and 05/05/05.
2. ☒ The allowed claim(s) is/are 1-32.
3. ☒ The drawings filed on 30 November 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


SALEH NAJJAR
PRIMARY EXAMINER

DETAILED ACTION

1. This office action is responsive to communication filed on 11/30/2001.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Charles S. Fish on May 16, 2005.

3. The application has been amended as follows:

In claim 17, line 12, please delete the period "." and insert -- , **wherein the network interface is operable to receive a subsequent communication from the browser that includes the cache header and the signature in place of the header sequence.** --

In claim 21, delete " and " (line 10), the period "." (line 12) and insert in line 12 -- ; **and receiving a subsequent communication from the browser that includes the cache header and the signature in place of the header sequence.** --

In claim 27, delete " and " (line 11), the period "." (line 13) and insert in line 12 -- ; **and means for receiving a subsequent communication from the browser that includes the cache header and the signature in place of the header sequence.** --

In claim 29, delete " and " (line 9), the period "." (line 10) and insert in line 10 -- ;
**and receive a subsequent communication from the browser that includes the
cache header and the signature in place of the header sequence. –**

Allowable Subject Matter

4. Claims 1 – 32 are allowed.
5. The following is an examiner's statement of reasons for allowance: As specifically claimed, the art of record, among other limitations, in combination fail to teach a system for reducing data volume transferred over a wireless communications network, which comprises a network interface operable to generate a signature for the header sequence, the network interface operable to store the sequence and signature in memory, the network interface operable to associate the sequence and signature with the browser, the network interface operable to communicate a cache header and the signature to the browser, network interface operable to communicate at least one request header of the header sequence to a server; the browser, upon sending a subsequent communication, communicates the cache header and the signature to the network interface, in place of the header sequence.

The closest prior art (US 6,122,637) discloses an apparatus that includes a remote client computer operably associated with the object server computer having an operating system, a first memory, a cache memory and a processor with means for performing an operation on like predetermined object data stored in the cache memory and recalling signature of the like predetermined object data, and a comparator

operably associated with the remote client computer for comparing the signature of the predetermined object data with signature of the like predetermined object data to determine whether the signature of the like predetermined object data is valid . Such prior art fails to teach the claimed limitations as recited above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yohe et al (US Patent number 6,122,637) discloses an apparatus and method for increased data access in an object oriented caching system.

Binding et al (US Patent number 6,775,687) discloses an exchanging supplemental information fields between a client and a server.

Birdwell et al (US Patent number 6,032,197) discloses a data packet header compression for unidirectional transmission.

Zezen Huang (US Patent number 6,618,397) discloses a group packet encapsulation and compression system and method.


Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yves Dalencourt whose telephone number is (571) 272-3998. The examiner can normally be reached on M-TH 7:30AM - 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on (571) 272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Yves Dalencourt


May 13, 2005


SALEH NAJJAR
PRIMARY EXAMINER